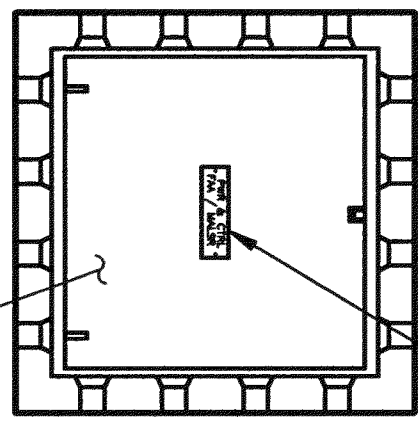


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2/24/2010 10:05:42 PM PDX-D-PAP\28L-G004.dgn

HOT DIPPED GALVANIZED
STEEL HATCH W/HINGES
& LOCKABLE LATCH

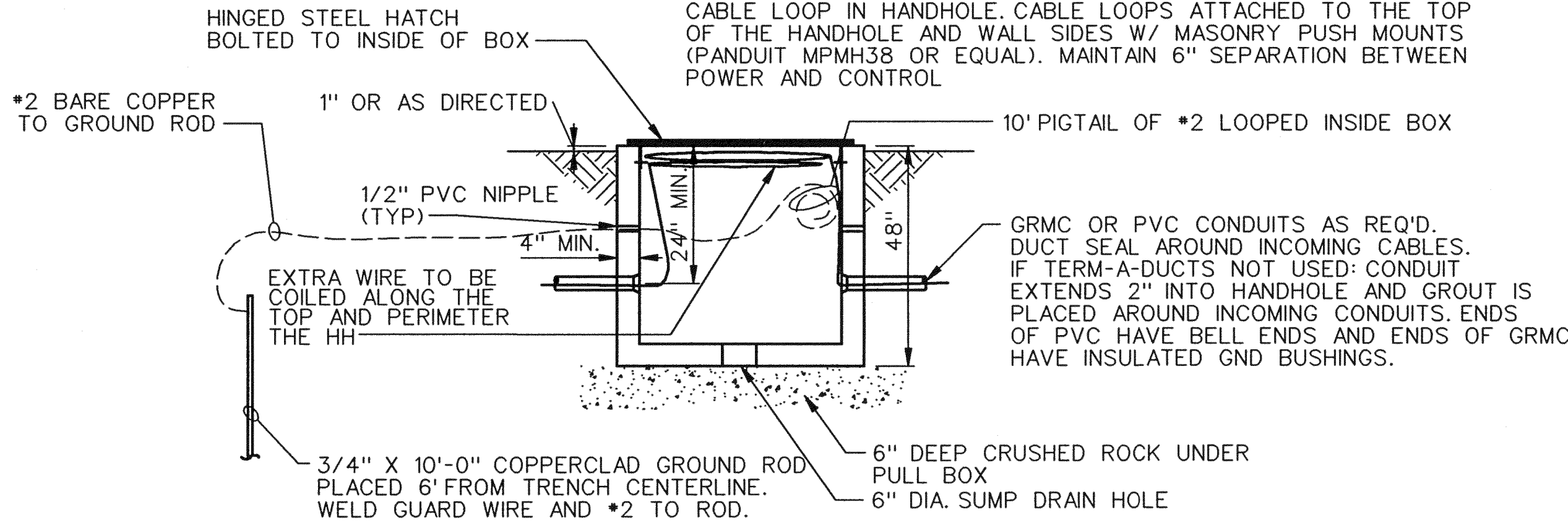


PLAN VIEW

TERM-A-DUCTS AS
REQ'D

FAA / PAPI

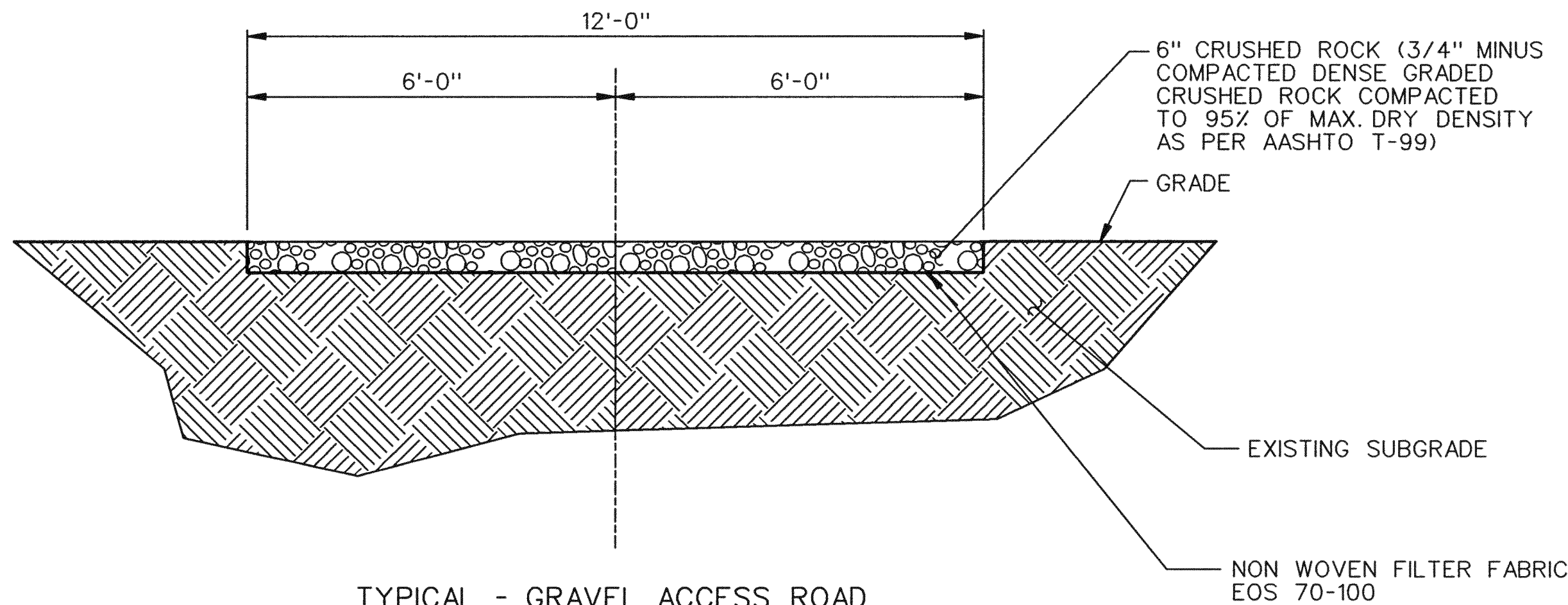
EACH HANDHOLE IDENTIFIED AS SHOWN.
LETTERS ARE 3/4" HIGH AND MACHINE
ENGRAVED IN THE COVER. EXACT METHOD
OF IDENTIFICATION TO BE APPROVED BY
THE PROJECT ENGINEER.



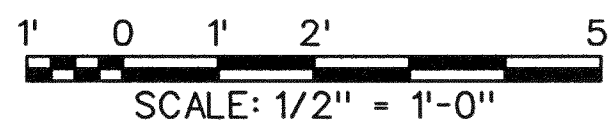
HANDHOLE DETAIL - SEE SCHEDULE
NOT TO SCALE

NOTE:

1. ALL PWR & CTRL CABLES SHALL BE TAGGED PER FAA-C-1391b; 3.5.1.
2. USE ALMETEK .030" THICK POLYETHYLENE MARKERS (1 3/4" X 3 7/8") W/ PERMANENT LETTERING TO IDENTIFY EACH CABLE GROUP. CABLE IDENTIFICATION METHOD AND EXACT WORDING SHALL BE COORDINATED WITH THE PROJECT ENGINEER.
3. ALL CONDUIT SHALL BE SEALED (TYP).
4. ALL UNUSED CONDUIT SHALL HAVE A PULL STRING (TYP).
5. EACH HANDHOLE WILL HAVE A GROUND ROD INSTALLED NEAR IT.
6. ALL HANDHOLES INSIDE THE RSA WILL BE 240KIP AIRCRAFT RATED. ALL HANDHOLES OUTSIDE THE RSA WILL BE H-20 RATED.

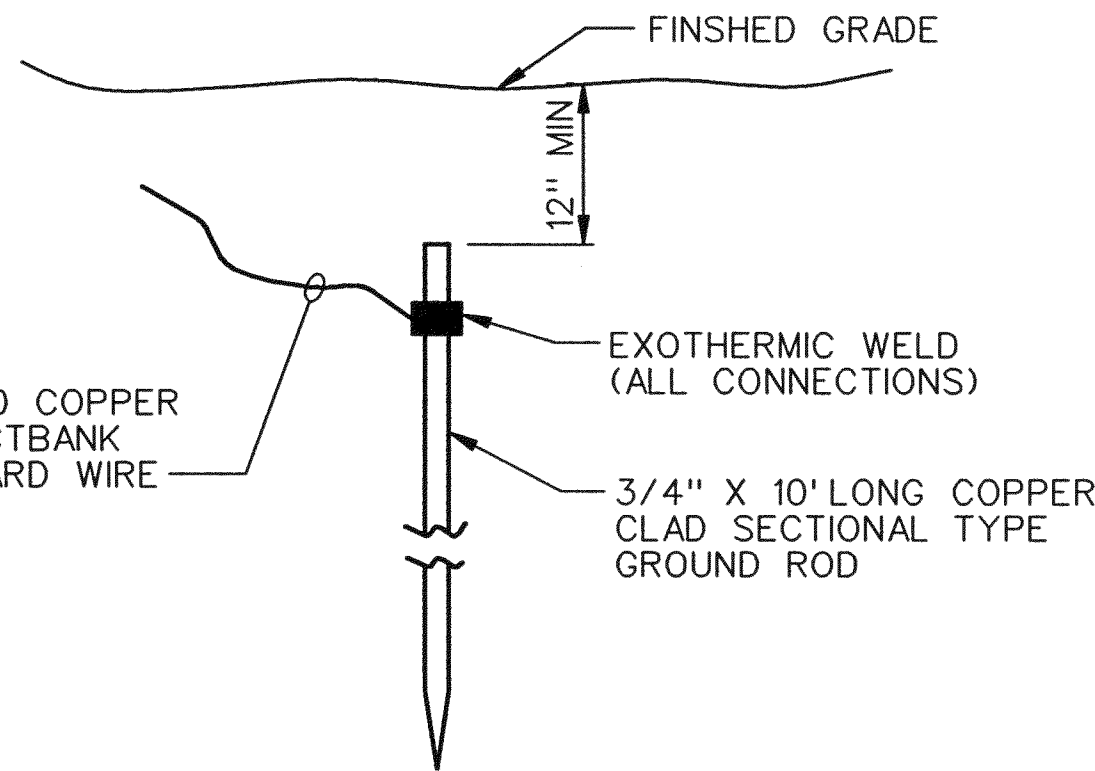


TYPICAL - GRAVEL ACCESS ROAD
SCALE: 1/2" = 1'-0"

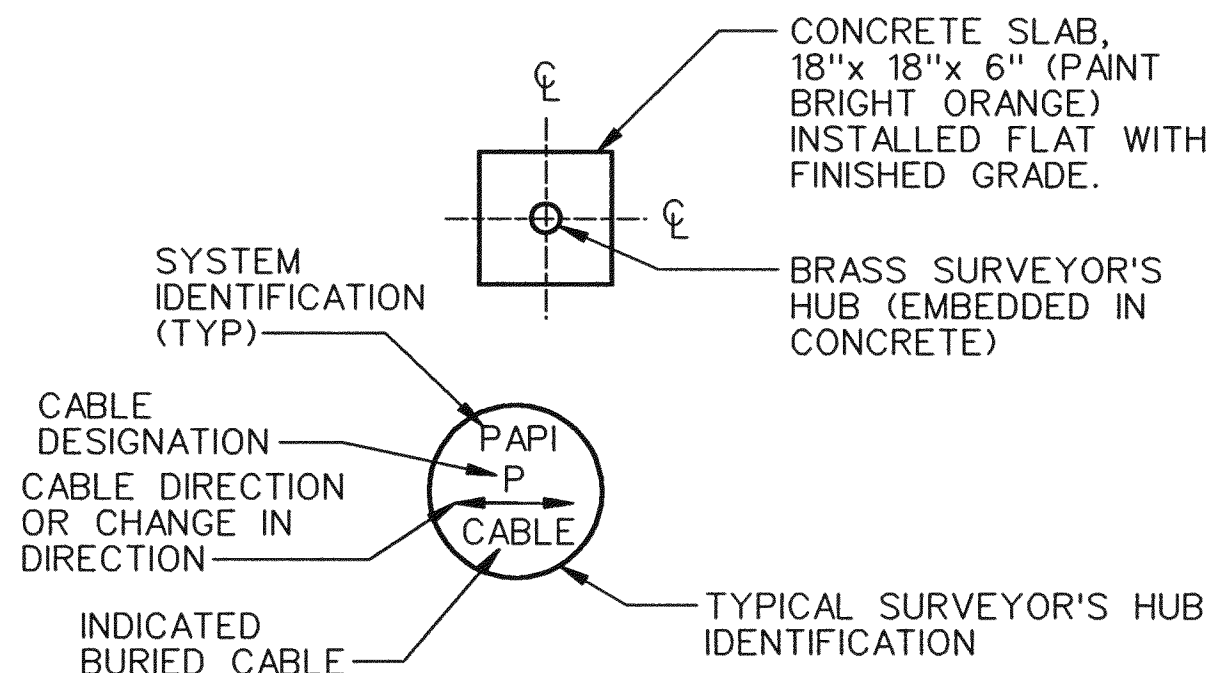


NOTE:

1. GRAVEL WALKWAY SHALL HAVE THE SAME CROSS SECTIONAL VIEW AND BE 4' WIDE

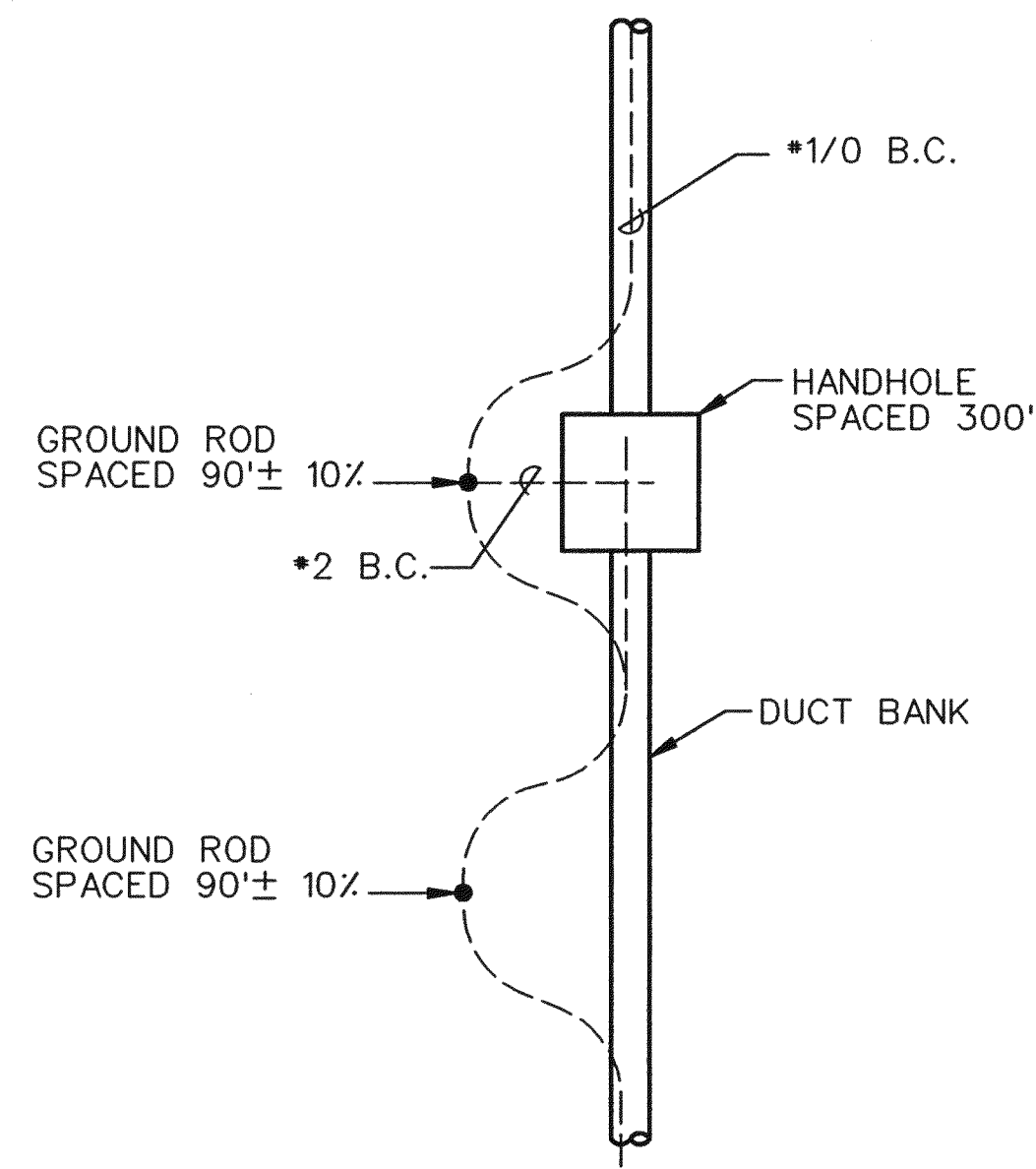


TYPICAL GROUND ROD INSTALLATION
NOT TO SCALE



NOTE: INSTALLED EVERY 200' OR CHANGE IN DIRECTION

CABLE MARKER DETAILS
NOT TO SCALE



DUCT BANK GROUNDING
NOT TO SCALE

NOTES:

1. POWER AND CONTROL CABLES INSTALLED UNDER PAVED SURFACES SHALL BE ENCASED IN GRS. THE GRS SHALL EXTEND 5'-0" BEYOND BOTH SIDES OF THE ASPHALT BEFORE CONNECTIONS TO PVC ARE MADE AND BOTH ENDS SHALL BE GROUNDED WITH #2 B.C.
2. ALL CRUSHED ROCK SURFACING IS COMPACTED AND PLACED INTO A "KEYED-IN" AREA TO CONTAIN THE MATERIAL.
3. INSTALLED CONCRETE HANDHOLES, MINIMUM 4'X4'X4" WITH DIAMOND PLATE COVER

FOR OFFICIAL USE ONLY
PUBLIC AVAILABILITY TO BE DETERMINED UNDER 5 USC 552

REV	APPROVED DATE	DESCRIPTION	JCN	REDLINE DATE	APVD
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION ATO - TECHNICAL OPERATIONS WESTERN SERVICE AREA					
PAPI RUNWAY 28L GENERAL SITE DETAILS - 1					
PORTLAND PORTLAND INTERNATIONAL AIRPORT OR					
REVIEWED BY	SUBMITTED BY	APPROVED BY			
		MGR: ENGINEERING SEATTLE			
	DESIGNED	ISSUED BY	DATE: 2-26-10	JCN	
	DRAWN	ENGINEERING SERVICES	DRAWING NO		
	CHECKED	NAV AID	PDX-D-PAP\28L-G004		REV

FOR CONSTRUCTION